

2623 - Super Encryption

Description

Our friend Octavito is a curious boy, he not only loves math, he loves experiments with words, always looking for a way to encrypt a given word. The new way, our friend found, is a simple way to encode a word, take a word of length n , and takes on it the following transformations: first taking the $N / 2$ first characters of the word and puts them in reverse order, and then puts the $N / 2$ end characters in reverse order. For example if the word has docogi it has length 6 and the first $N / 2$ characters are "doc" and the last $N / 2$ characters are "ogi" after performing encryption if the new form would resulting word be "codigo". Our friend Octavito not very good in programming and gives a bit of work to do this when the words are very long, he wants you to help making a program that encodes a word.

Input specification

The input contains a string lowercase English alphabet. The length of the word does not exedera of 100 characters.

Output specification

The output will be the encrypted word.

Sample input

docogi

Sample output

codigo

Hint(s)

Source	José Nolberto Isac González
Added by	Igvallejo
Addition date	2013-11-11
Time limit (ms)	10000

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Test limit (ms)	1000
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	15000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text